

Elementis Specialties, Inc.
P.O. Box 700, Wyckoffs Mill Rd.
Hightstown, NJ 08520
Tel.: +1-609-443 2500
Fax: +1-609-443 2422
specialinfo.usa@elementis-na.com
Web: www.elementis-specialties.com

Elementis Specialties
PEGASUSPARK
De Kleetlaan 12 a, bus 3
1831 Diegem, Belgium
Tel.: +32-2-790 76 00
Fax: +32-2-790 76 60
specialinfo.eu@elementis-eu.com



OIL IN WATER SUNSCREEN LOTION

BY 3129-56

Oil in Water Sunscreen Lotion containing BENTONE GEL® TN V, FANCOR® ABYSSINIAN OIL and NANOX™ 200.

Advantages

The presence of BENTONE GEL® TN V, FANCOR® ABYSSINIAN OIL and NANOX™ 200 additives in this system:

- Give body and an nice skin feel to the formula while providing UV protection

Ingredient	Supplier	% w/w
PHASE A		
BENTONE GEL® TN V (C₁₂₋₁₅ Alkyl Benzoate, Stearalkonium Hectorite, Propylene Carbonate)	ELEMENTIS Specialties	3.0
FANCOR® ABYSSINIAN OIL (Crambe Abyssinica Seed Oil)	ELEMENTIS Specialties	3.0
Crodamol CAP (Cetearyl Ethylhexanoate and Isopropyl Myristate)	Croda	8.5
Tegosoft TN (C ₁₂₋₁₅ Alkyl Benzoate)	Evonik	6.0
Parsol MCX (Ethylhexyl Methoxycinnamate)	DSM	6.0
Arlacel 60 (Sorbitan Stearate)	Croda	3.3
Tego Alkanol 16 (Cetyl Alcohol)	Evonik	3.0
Parsol 1789 (Butyl Methoxydibenzoylmethane)	DSM	2.0
Aloe Vera Gel C1X (Canola Oil, Aloe Barbadensis Leaf Juice and Tocopherol)	Natunola	1.0
White Beeswax (Beeswax)	Strahl & Pitsch	0.5
PHASE B		
NANOX™ 200 (Zinc Oxide)	ELEMENTIS Specialties	5.0
PHASE C		
Distilled Water		48.1
Glycerin		5.0
Tween 60 (Polysorbate 60)	Croda	4.4
Sodium Chloride		0.5
PHASE D		
Germaben II (Propylene Glycol, Diazolidinyl Urea, Methylparaben and Propylparaben)	ISP	0.5
Phenoxyethanol	UPI	0.2
Citric Acid (50%)		qs.
Fragrance (Water Blossom)		qs.

Method of Manufacture

1. Put Phase A into the main vessel and heat to 75°C.
2. Add Phase B and mix well with a Silverson homogeniser.
3. In a separate vessel heat Phase C to 75°C.
4. Add Phase A+B to Phase C and mix with Silverson homogenising.
5. Cool to 35°C and add Phase D with mixing.

N.B.

Please refer to the Product Data Sheets for additional advice on incorporation.

SPECIFICATION:

Appearance: White Lotion

pH: 6.7

Viscosity (RV, Spindle 5, 100 rpm) : 1540 cps

The information herein is currently believed to be accurate. We do not guarantee its accuracy. Purchasers shall not rely on statements herein when purchasing any products. Purchasers should make their own investigations to determine if such products are suitable for a particular use. The products discussed are sold without warranty, express or implied, including a warranty of merchantability and fitness for use. Purchases will be subject to a separate agreement which will not incorporate this document.